

## ABSTRACT

The present invention relates to the support mechanism for a grill having a grill bottom, grates for supporting fuel and food, and a cover. The mechanism is detachably attached to the grill without fasteners by projecting pieces that go through holes in the bottom portion or kettle of the grill, some of the projecting pieces supporting the grate for the fuel and other projecting pieces supporting the grate for the food. Only one fastener, for example, a screw with a wing nut, is used to support the mechanism and fasten it to the grill bottom. In a preferred embodiment, the mechanism also has toggle locks to lock together the grill bottom and the cover.